

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-4. (canceled).

5. (currently amended): ~~A~~An eyeglass lens processing system comprising:

a lens accommodating tray that accommodates an eyeglass lens and is provided with an identifier for managing processing of the accommodated lens;

a lens-tray stocking device that is structured for capable of stocking a plurality of lenses;
~~and~~ the trays, the tray stocking device comprising:

a first stage that is structured for stacking the trays, each in which a lens to be processed is accommodated, in a vertical direction and is movable in the vertical direction;

a second stage that is structured for stacking the trays, each in which a processed lens is accommodated, in the vertical direction and is movable in the vertical direction;
and

a tray transferring unit that transfers a tray from the first stage to the second stage;
a lens processing device that processes the lens to be processed, and is disposed at an upper side of the tray stocking device; and

a lens conveying device which is disposed between the tray stocking device and the lens processing device, the lens conveying device comprising an arm unit for holding the lens,
conveys one of the plurality of lenses between the lens stocking device and the lens to be
processed from the very top tray stacked on the first stage and located at a conveying position to
the lens processing device so as to process the lens, and conveys the processed lens from the lens
processing device to the same tray stacked on the first stage and located at the conveying
position so as to accommodate the lens;

wherein the tray transferring unit transfers the tray in which the processed lens is
conveyed and accommodated from the first stage to the second stage.

6-7. (canceled).

8. (currently amended): The eyeglass lens processing system according to claim 5 further comprising:

a reader unit which reads ~~an~~ the identifier provided on the ~~respective trays~~ tray; and
a control unit which sends processing data based on the read identifier to the lens processing device.

9. (currently amended): The eyeglass lens processing system according to claim 5 further comprising:

a reader unit which reads ~~an~~ the identifier provided on the ~~respective trays~~ tray; and

a control unit which sends control data based on the read identifier to the lens conveying device.

10. (currently amended): The eyeglass lens processing system according to claim 5, wherein a plurality of the ~~lens-tray~~ stocking devices are arranged side by side in a lateral direction, and a plurality of the lens processing devices are arranged side by side in the lateral direction.

11. (currently amended): The eyeglass lens processing system according to claim ~~4~~ 5, wherein the lens conveying device is provided with a movement path ~~between the plurality of lens stocking devices and the plurality of~~ extending in parallel with the lens processing devices device, and the arm unit is movable along the movement path.

12. (currently amended): The eyeglass lens processing system according to claim 5 further comprising a blocking device disposed ~~in~~ at a vicinity of the lens conveying device and an upper side of the tray stocking device for attaching a cup serving as a processing jig to a refractive surface of the lens to be processed.

wherein the lens conveying device conveys the lens to be processed from the very top tray stacked on the first stage and located at the conveying position to the blocking device so as to attach the cup to the lens and conveys the lens to be processed from the blocking device to the lens processing device so as to process the lens.

13. (currently amended): The eyeglass lens processing system according to claim 5 further comprising a base on which the lens tray stocking device, ~~the lens processing device~~ and the lens conveying device are disposed, and casters being attached to the base.

14. (currently amended): The eyeglass lens processing system ~~stocking device~~ according to claim 5, wherein a pair of left and right eyeglass lenses are accommodated in the ~~respective trays~~ tray.

15. (new): The eyeglass lens processing system according to claim 12, wherein the blocking device includes:

- a cup supplying unit that supplies the cup;
- an arm unit that holds the supplied cup;
- a measuring optical system for measuring an optical center position and a cylindrical axis direction of the lens; and
- a control unit that controls the arm unit to attach the cup to the lens based on the measurement result by the measuring optical system.

16. (new): An eyeglass lens processing system comprising:
a plurality of trays, each tray accommodates an eyeglass lens and has an identifier for managing processing of the accommodated lens;

a tray stocking device that stocks the plurality of trays, the tray stocking device comprising:

a first stage comprising in a stacked arrangement those trays having lenses to be processed, the trays stacked in the first stage being movable in the vertical direction;

a second stage comprising in a stack those trays having processed lenses, the trays stacked in the second stage being movable in the vertical direction; and

a tray transferring unit that transfers a tray from the first stage to the second stage;

a lens processing device that processes the lenses to be processed and that is disposed at an upper side of the tray stocking device; and

a lens conveying device disposed between the tray stocking device and the lens processing device, the lens conveying device comprising an arm that holds a lens to be processed, conveys the lens to be processed from the top tray stacked on the first stage and located at a conveying position to the lens processing device so as to process the lens, and returns the processed lens from the lens processing device to the same tray from which the processed lens was retrieved by the lens conveying device for processing.